

5

ABSTRACT

Methods, compositions and articles of manufacture for assaying a sample for a target polynucleotide are provided. A sample suspected of containing the target polynucleotide is contacted with a polycationic multichromophore and a sensor PBP that can bind to the target
10 polynucleotide. The sensor PBP comprises a signaling chromophore to absorb energy from the excited multichromophore and emit light in the presence of the target polynucleotide. The methods can be used in multiplex form. Kits comprising reagents for performing such methods are also provided.